

containing the wild type human chromosome sY81, was amplified using a forward primer (Part no. 9218-003, Enova) 5' tagged with TAMRA and having the following sequence: 5'-AGGCACTGGTCAGAATGAAG-3' (SEQ ID NO:1). (The tagging was performed by Syntheses, Inc., Houston, TX). The reverse primer was 5'-AATGGAAAATACAGCTCCCC-3' (SEQ ID NO:2). In a similar manner, DYS 81 "A" allele samples were tagged with JOE and 6-FAM.

Please add the attached page containing the SEQUENCE LISTING to the Specification after page 86.

REMARKS

This amendment is to comply with the sequence listing requirements as set forth in 37 CFR 1.821-1.825.

The sequence listing has been prepared in compliance with the above mentioned rules and appended to the specification by this amendment. Parenthetical references to the sequence ID numbers have now been added to the specification which identify the sequences as originally found in the application. No new matter is introduced by these amendments.

If anything further is required to put this application in order, the Examiner is invited to call the Attorney of Record at the number below.

Respectfully submitted,

Date: 24 Oct 02



John F. Brady
Registration No. 39,118
Phone: (408) 514-3134
Fax: (408) 432-8910

Transgenomic, Inc.
2032 Concourse Drive
San Jose, CA 95131



VERSIONS WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

Page 71, paragraph 2 (beginning on line 3):

A sample of DYS 81 "A" allele PCR product was fluorescent tagged by using TAMRA tagged forward primers in the PCR process. The DYS 81 "A" allele is the wild type of the DYS271 209 base pair fragment described in Kuklin et al., *Genetic Testing* 1:201 (1998) (this publication is incorporated herein by reference). Plasmid A (Part no. CSP1041, Enova, Half Moon Bay, CA), containing the wild type human chromosome sY81, was amplified using a forward primer (Part no. 9218-003, Enova) 5' tagged with TAMRA and having the following sequence: 5'-AGGCACTGGTCAGAATGAAG-3' (SEQ ID NO:1). (The tagging was performed by Syntheses, Inc., Houston, TX). The reverse primer was 5'-AATGGAAAATACAGCTCCCC-3' (SEQ ID NO:2). In a similar manner, DYS 81 "A" allele samples were tagged with JOE and 6-FAM.